

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/728,231
		Filing Date	December 3, 2003
		First Named Inventor	Manfred Albrecht
		Art Unit	2651
		Examiner Name	Dan Davidson
Sheet 1 of 2	Attorney Docket Number	HSJ920030246US1	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
DD		US- 5,820,769	10-13-1998	Chou	
DD		US- 5,583,727	01-10-1996	Parkin	
DD		US- 6,331,364	12-18-2001	Baglin et al.	
DD		US- 6,383,597	05-07-2002	Fullerton et al.	
DD		US- 6,493,183	12-10-2002	Kasiraj et al.	
DD		US- 20030021191A1	01-30-2003	Hsu et al.	
DD		US- 20030107833A1	01-12-2003	Rettner et al.	
DD		US- 5,436,448	07-25-1995	Hosaka et al.	
DD		US- 6,011,664	01-04-2000	Kryder et al.	
DD		US- 5,900,728	01-04-1999	Moser et al.	
DD		US- 5,900,729	01-04-1999	Moser et al.	
DD		US- 5,804,710	09-08-1998	Mamin et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	Dan Davidson	Date Considered	12/01/04
-----------------------	--------------	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Applicant Number	10/728,231
		Filing Date	12/03/2003
		First Named Inventor	Manfred Albrecht
		Group Art Unit	2651
		Examiner Name	Dan Davidson
Sheet	2	of	2
		Attorney Docket Number	HSJ920030246US1

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
DD		R. L. White et al., "Patterned Media: A Viable Route to 50 Gbit/in ² and Up for Magnetic Recording?", IEEE Transactions on Magnetics, Vol. 33, No. 1, January 1997, 990-995	
DD		C. Chappert, et al., "Planar Patterned Magnetic Media Obtained by Ion Irradiation," Science, Vol. 280, June 19, 1998, pp. 1919-922	
DD		E. Eleftheriou et al., "Millipede-A MEMS-Based Scanning-Probe Data-Storage System", IEEE Transactions on Magnetics, Vol. 39, No. 2, March 2003, pp.938-945	
DD		M. Kleiber et al., "Magnetization switching of submicrometer Co dots induced by a magnetic force microscope tip", Phys Rev B, Vol. 58, No. 9, 1 September 1998, pp. 5563-5567	
DD		J. Lohau et al. "Writing and reading perpendicular magnetic recording media patterned by a focused ion beam", Appl Phys Lett, Vol. 78, No. 7, 12 February 2001, pp. 990-992	
DD		B. Cui et al. "Perpendicular quantized magnetic disks with 45 Gbits on a 4x4 cm ² area", J Appl Phys, Vol. 85, No. 8, 15 April 1999, pp. 5534-5536	
DD		Haginoya C. et al., "Thermomagnetic writing on 29 Gbit/in. ²) patterned magnetic media", APPL PHYS LETT 75 (20): 3159-3161 NOV 15 1999	
DD		Castano F. et al., "Magnetic force microscopy and x-ray scattering study of 70x550 nm(2) pseudo-spin-valve nanomagnets", J APPL PHYS 93 (10): 7927-7929 Part 3 MAY 15 2003	
DD		Todorovic M., "Writing and reading of single magnetic domain per bit perpendicular patterned media", APPL PHYS LETT 74 (17): 2516-2518 APR 26 1999	
DD		Ross C., "Patterned magnetic recording media", ANNU REV MATER RES 31: 203-235 2001	
DD		A. Dietzel et al., "Ion Projection Direct Structuring for Patterning of Magnetic Media", IEEE Transactions on Magnetics, Vol. 38, No. 5, September 2002, pp. 1952-195	

Examiner Signature		Date Considered	12/01/04
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.